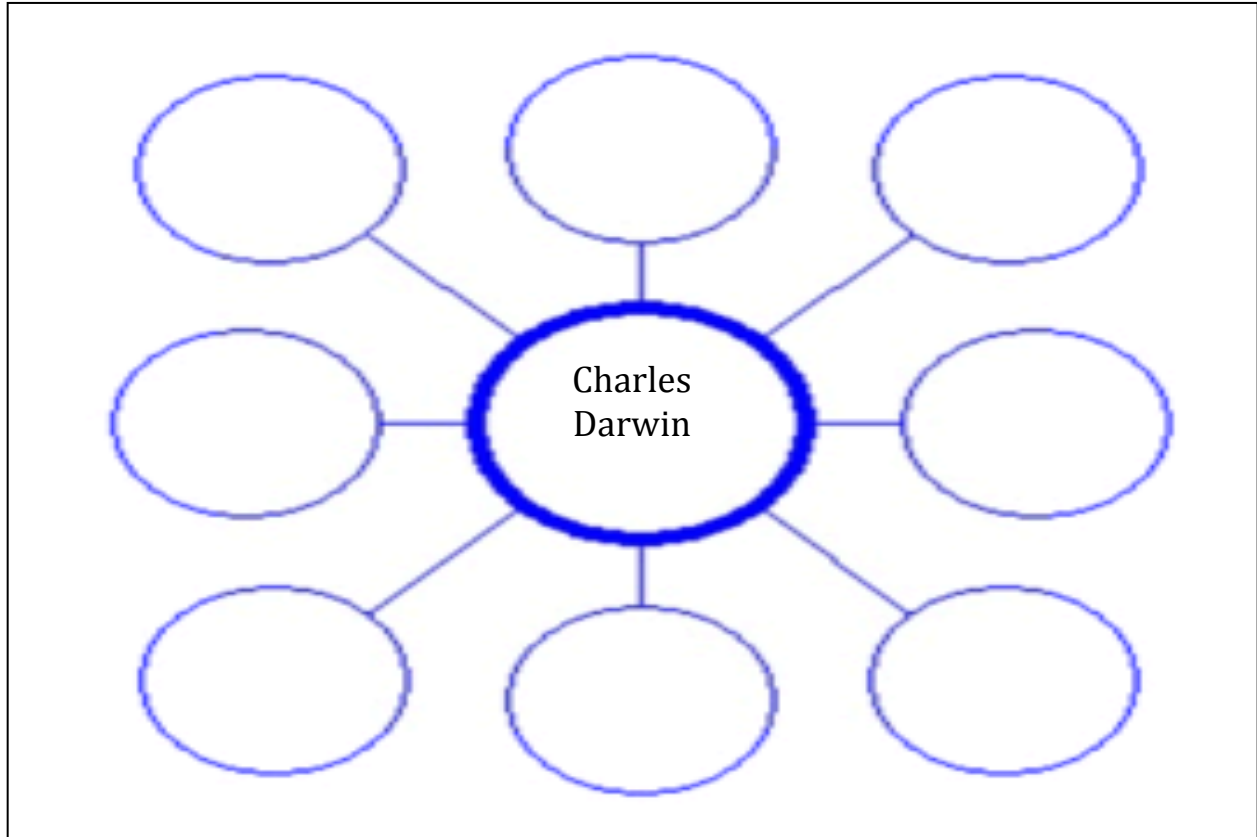


**Genetics 3.3 Reading Guide**  
**How Do Scientists Know About the Effects of Selection Pressure?**



**Read** pages 114 – 115 and fill in the bubble chart with characteristics or facts about Charles Darwin. After filling in the bubble chart write a summary paragraph below that incorporates the key facts.



---

---

---

---

---

---

---

---

---

---

---



**Read** the last paragraph of page 115 – 117 and fill in the following acronym chart using the word NATURAL SELECTION.

N	
A	
T	
U	
R	
A	
L	

S	
E	
L	
E	
C	
T	
I	
O	
N	



**Read** the boxed area on page 117. What do Alfred Russel Wallace and Charles Darwin have in common?

---

---

---

---

## Stop and Think

1. How did Darwin's experiences help him to understand how species change and how new species develop? How did he use these experiences to come up with his theory of natural selection?

---

---

---

---

2. What did Darwin see as the major factors causing change from generation to generation?

---

---

---

---



Read page 118. How are evolution and natural selection related?

---

---

---

---

## Update the Project Board

Record what you now know about adaptations, natural selection and evolution in the *What are we learning?* column. If you have questions or ideas for investigations, record them in the *What do we need to investigate?* Column. If you have recommendations related to the *Big Question*, add that to the last column.



## What's the Point?

Read page 119 and summarize the main ideas from 3.3.

---

---

---

---

